

Figure 1

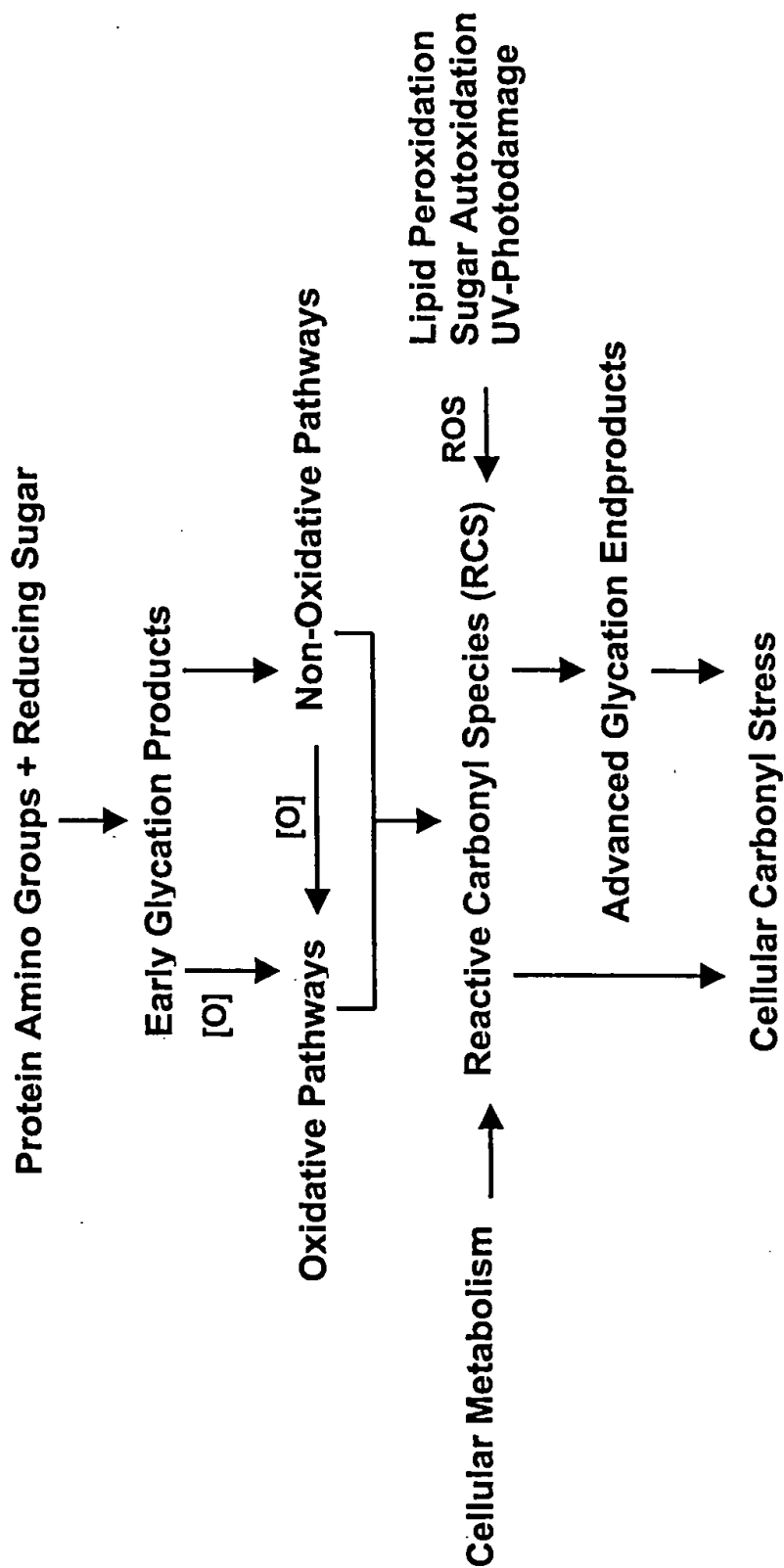
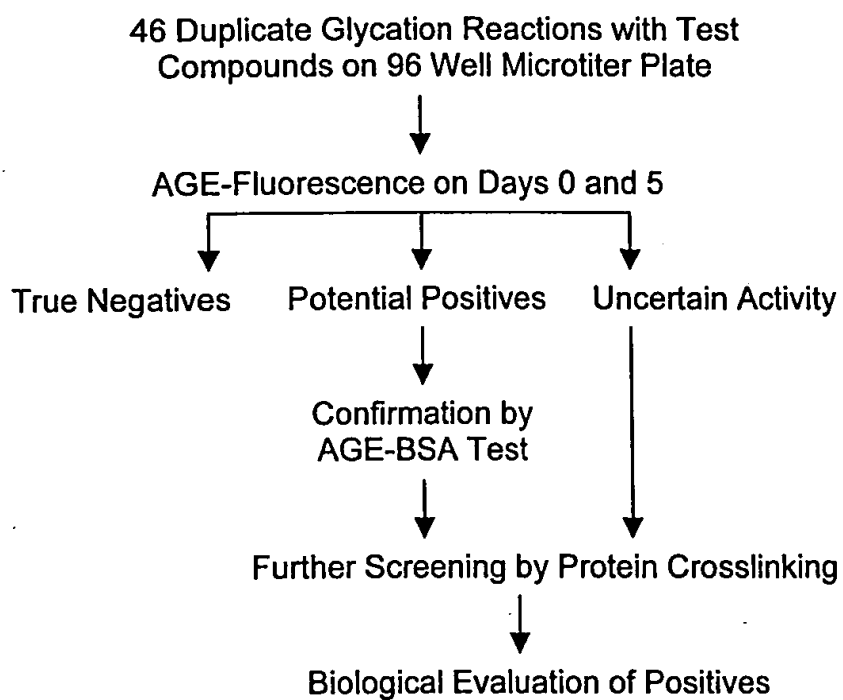


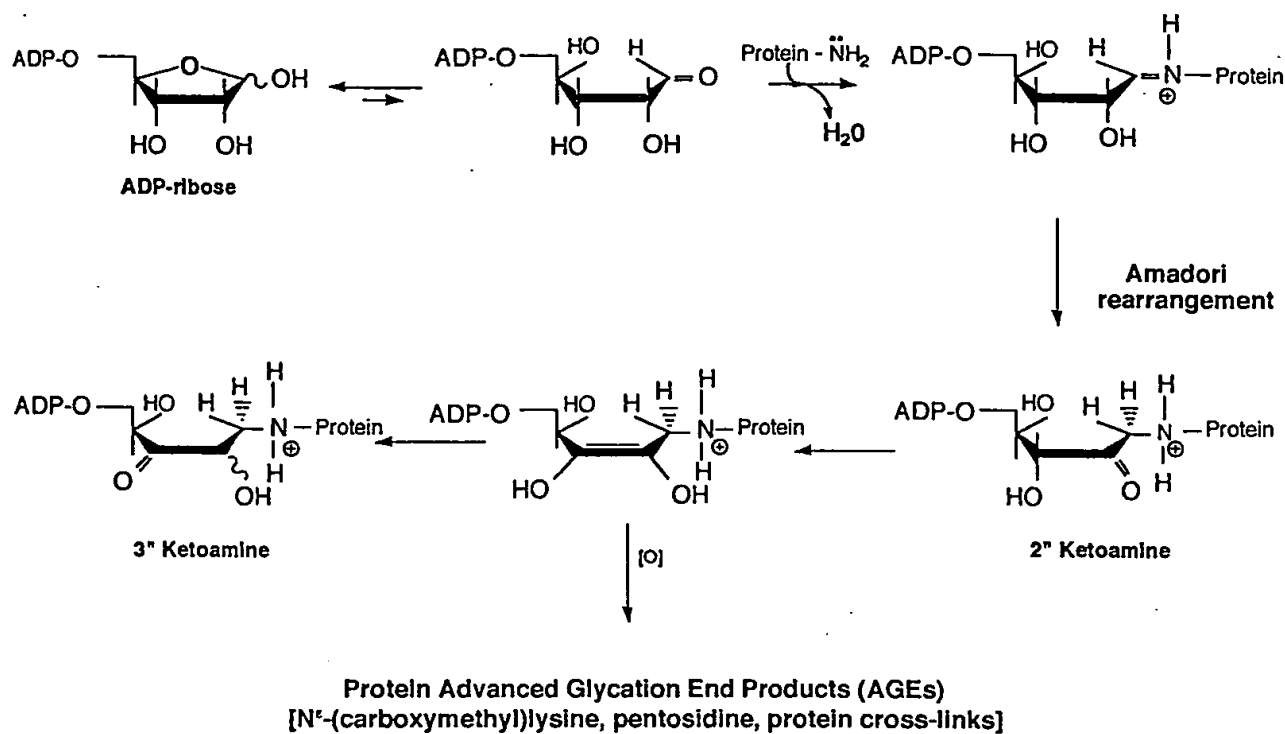


Figure 2



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**Figure 3**



AGE-Inhibitor Screening:  
Time course of AGE-fluorescence

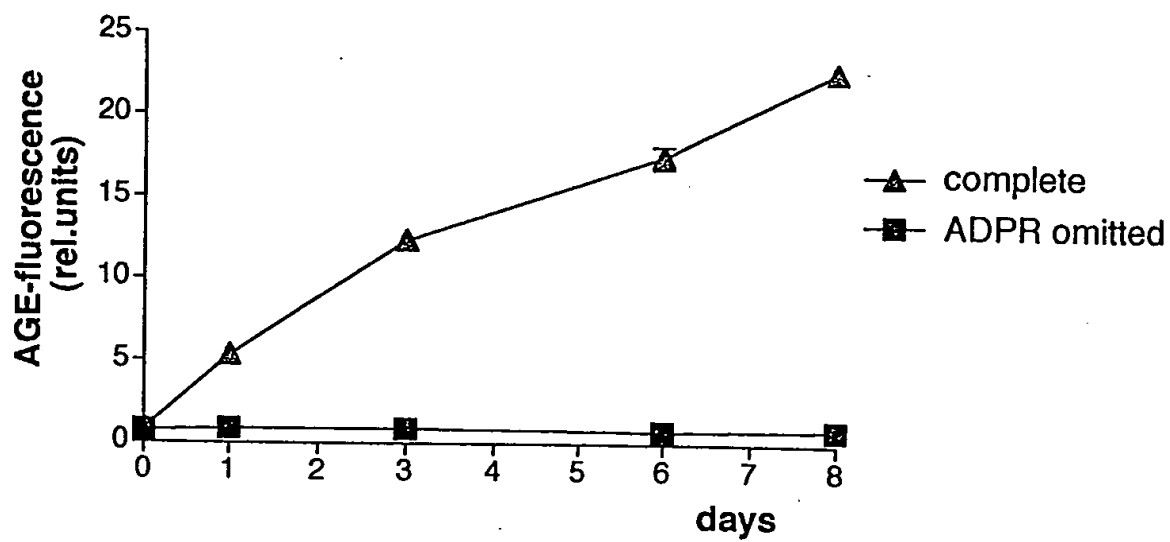


Figure 4

0983657-044601



Fluorescence yield of various sugars and histone H1 over 7 days

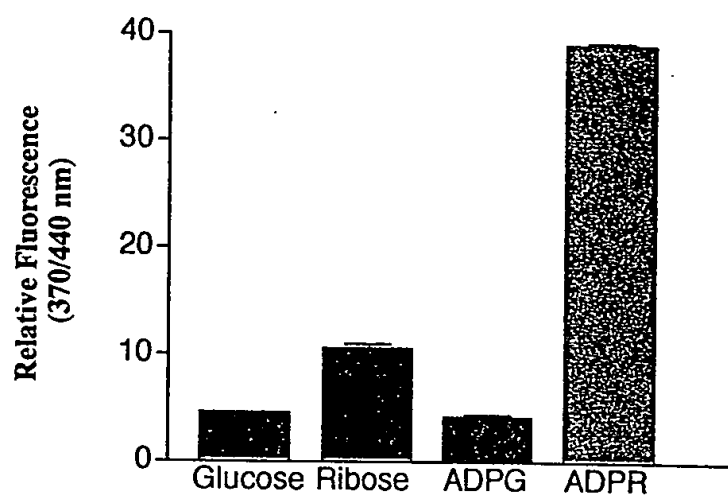


Figure 5



# Effectiveness of histone H1 as a target protein for glycation

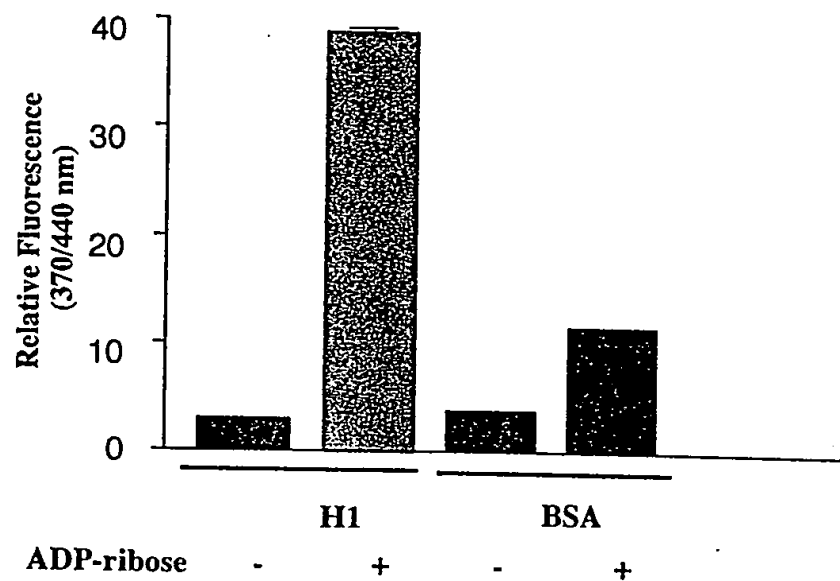


Figure 6



Aminoguanidine inhibits glycation of histone H1 by ADP-ribose

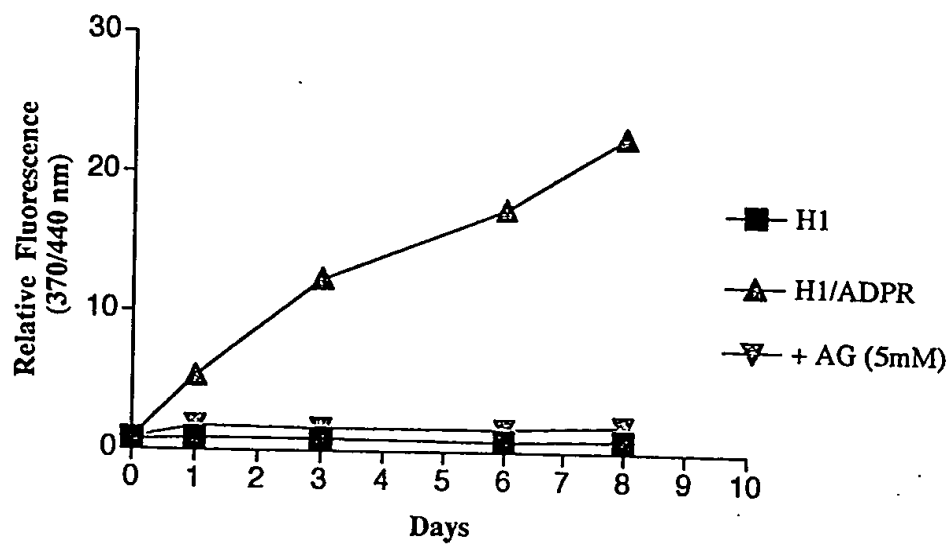
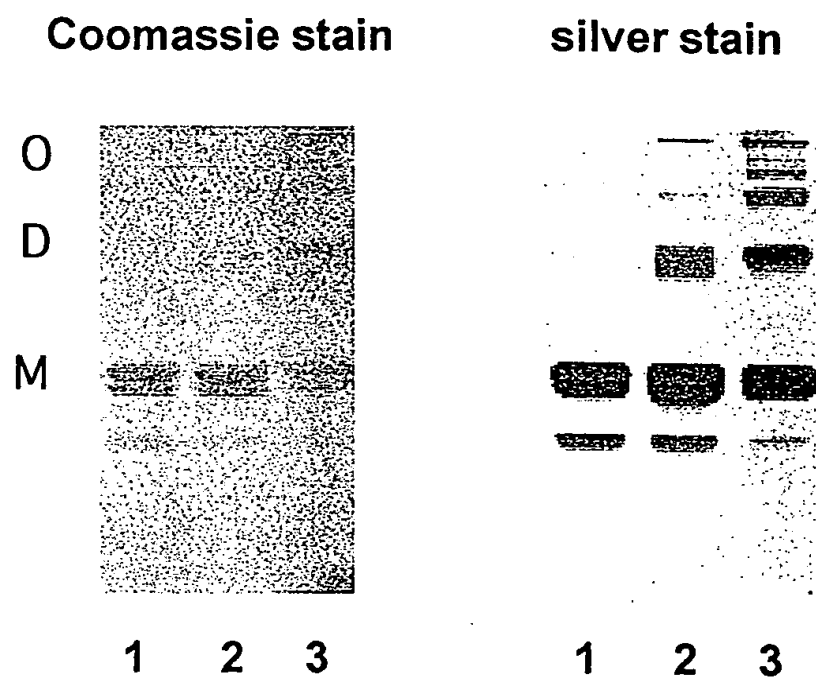


Figure 7





**Figure 8**



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Figure 9



09836576-04-1601

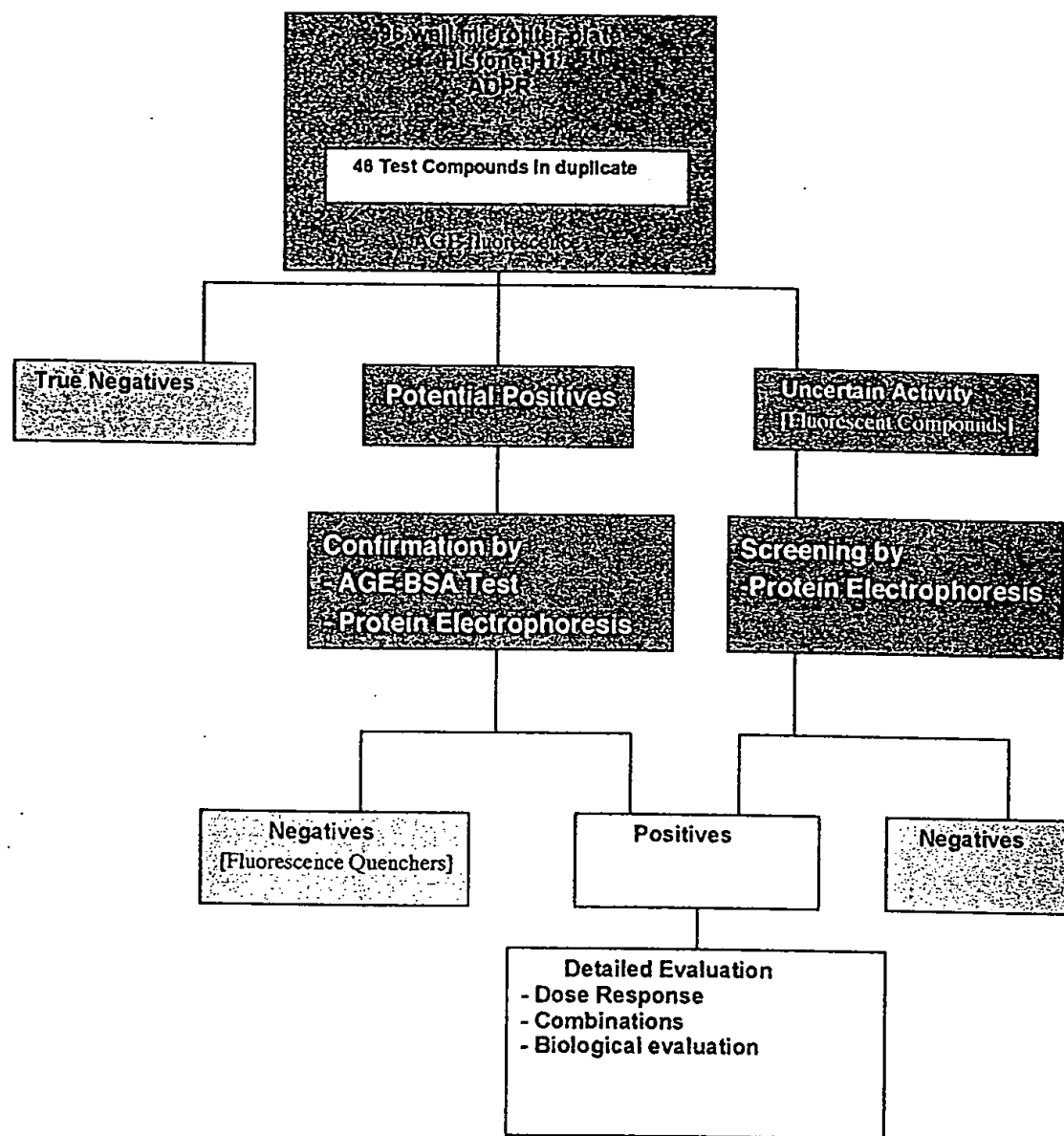


Figure 10



# AGE-Inhibitor Screening Example: L-cysteine

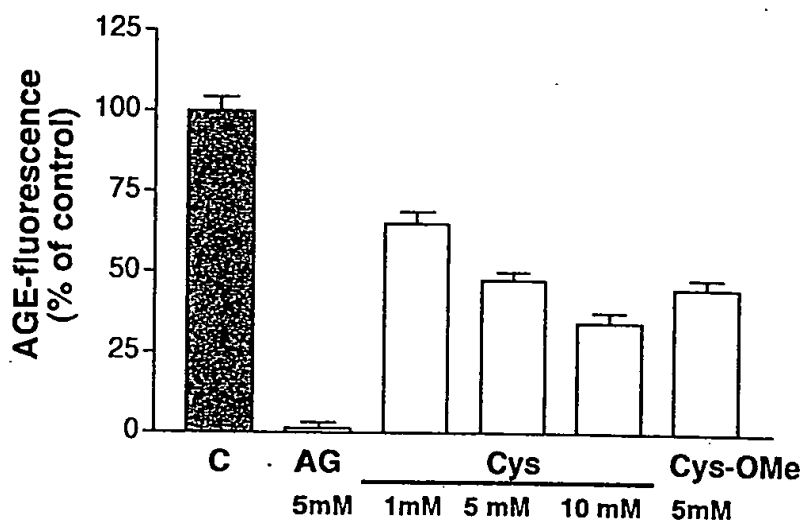


Figure 11



## AGE-Inhibitor Screening: True Negatives

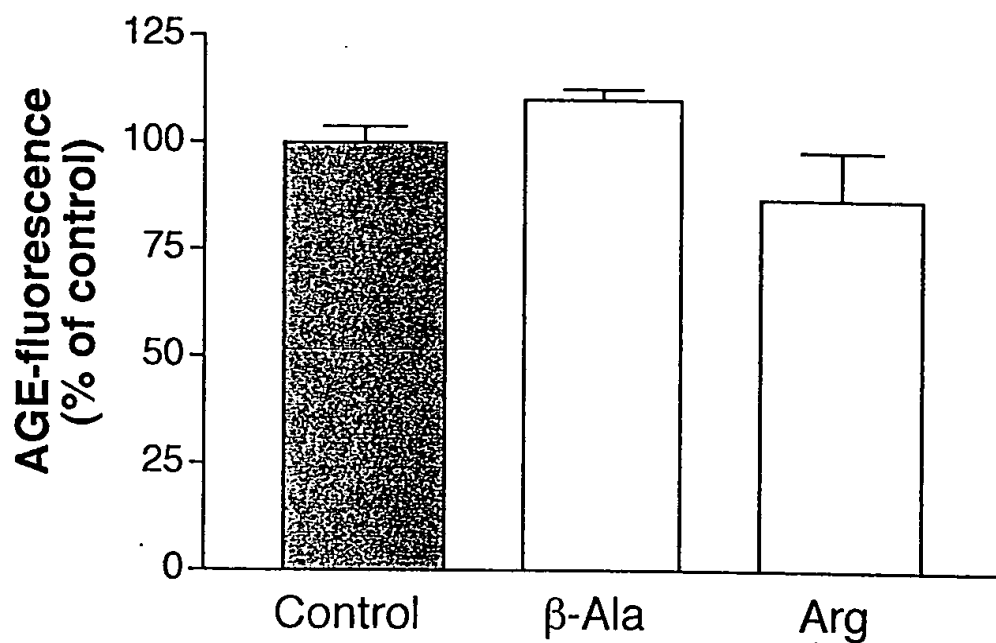


Figure 12



### Confirming Potential Positives I: the AGE-BSA Test

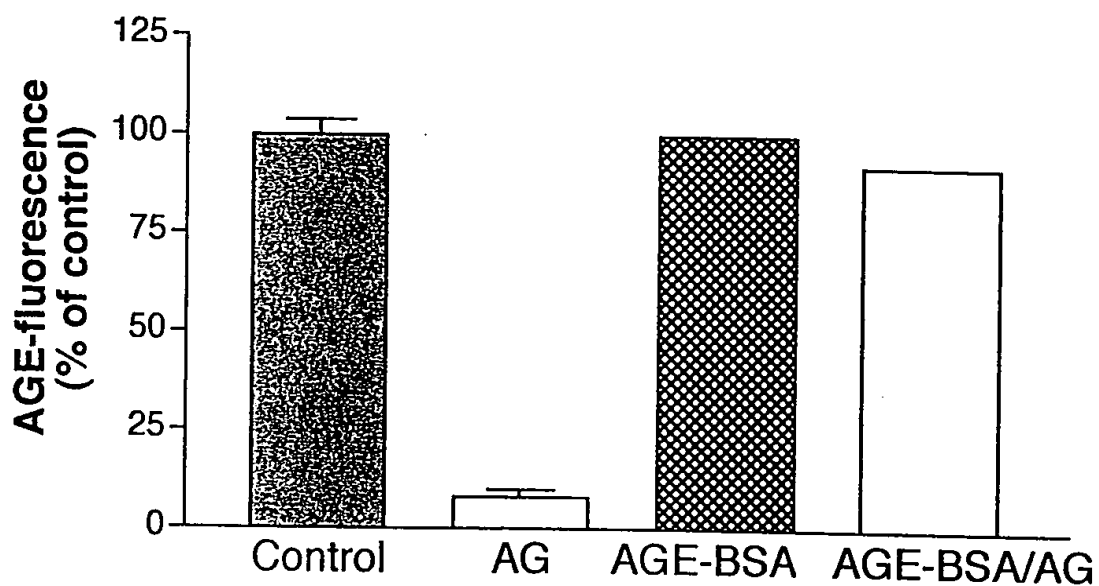


Figure 13



## Confirming Potential Positives II: Protein Electrophoresis

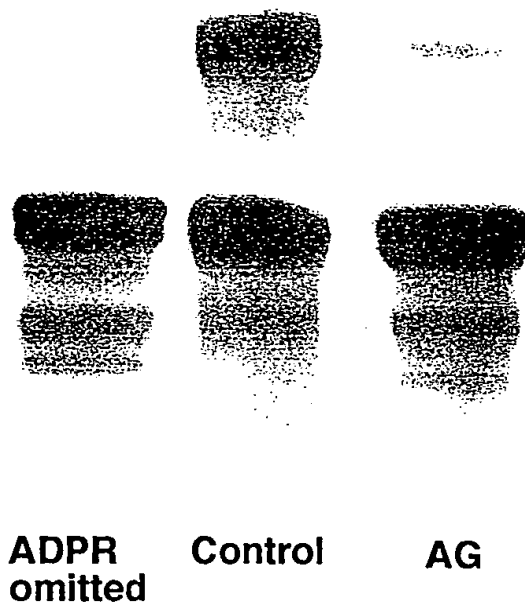


Figure 14

09836576-04-1601



Figure 15

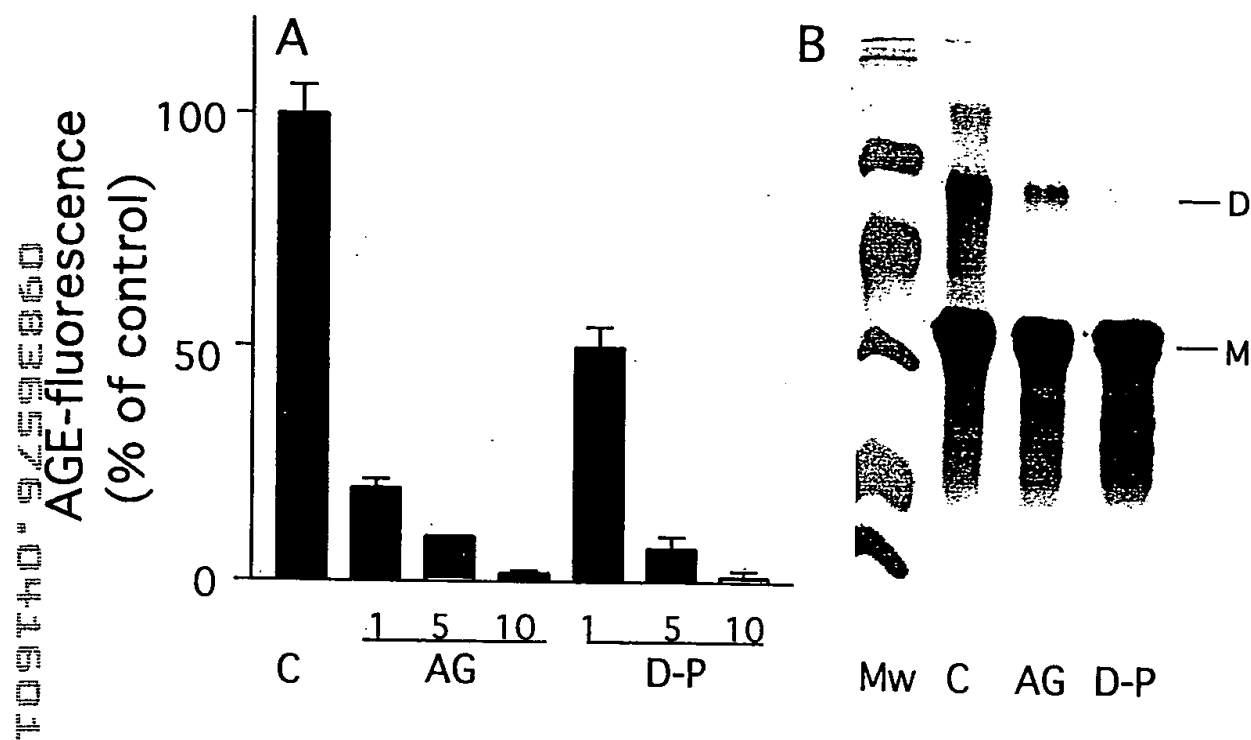
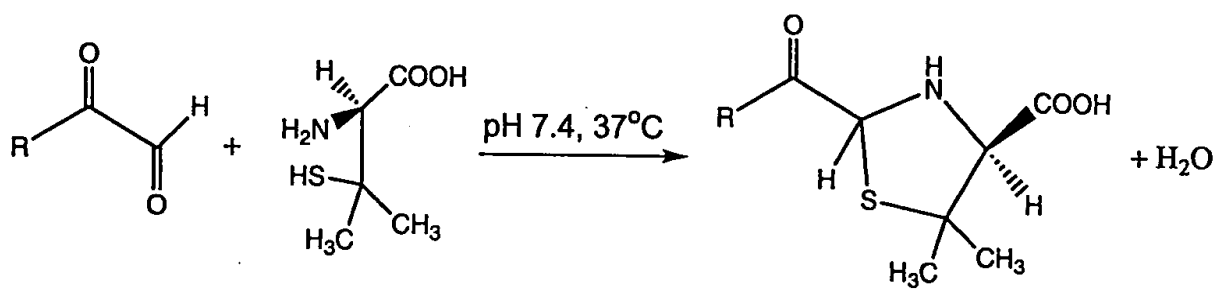




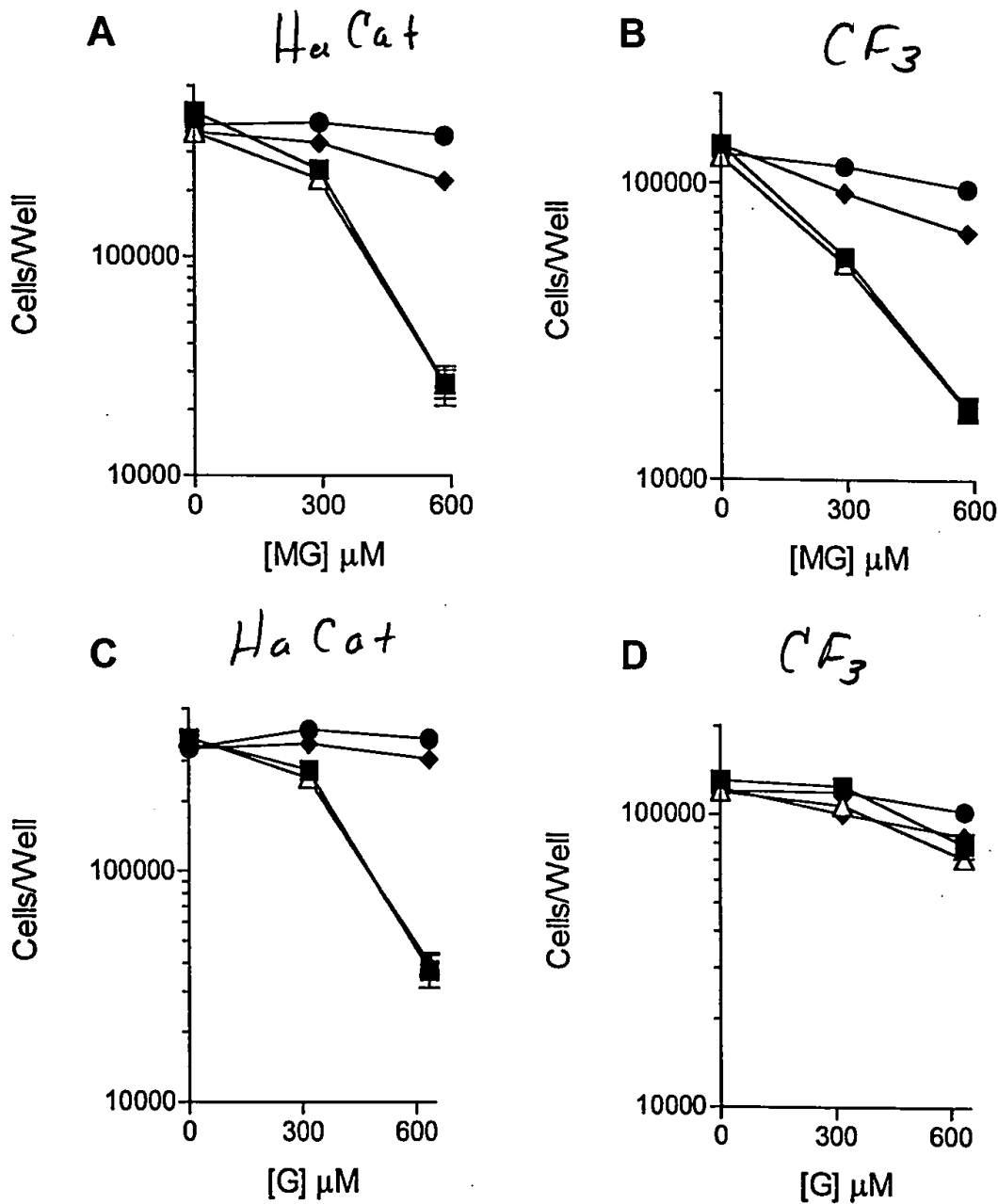
Figure 16



$R = CH_3$  or  $C_6H_5$



Figure 17

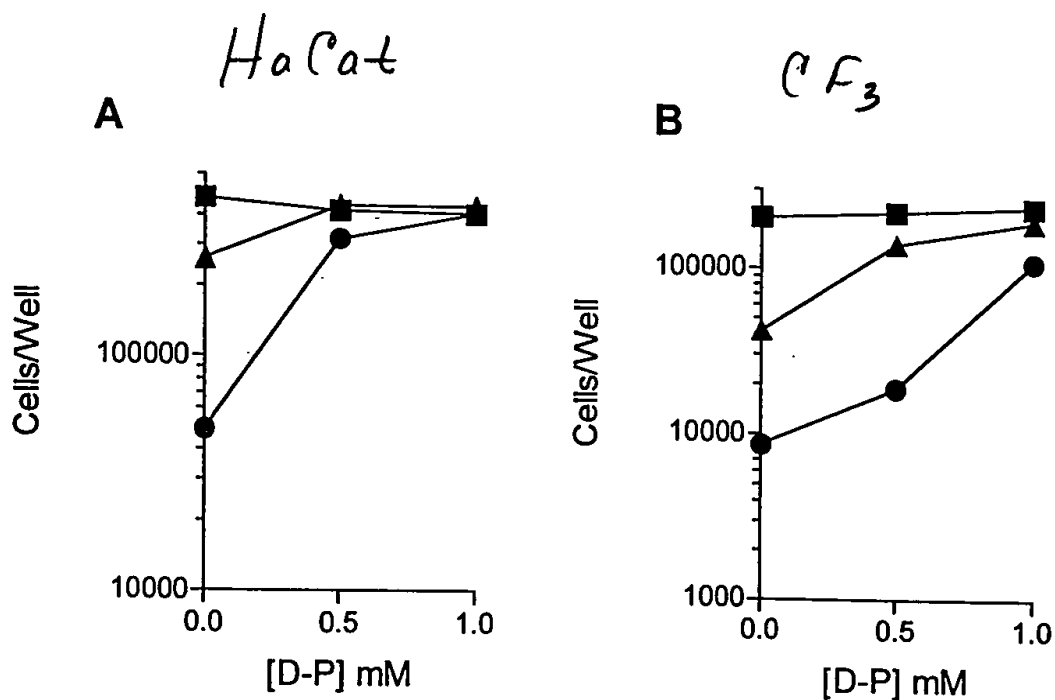


■ : d-dicarbonyl alone  
 △ = L-alanine (1mM)  
 ◆ =  $\alpha$ -aminoguanidine  
 ● = D-penicillamine

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Figure 18

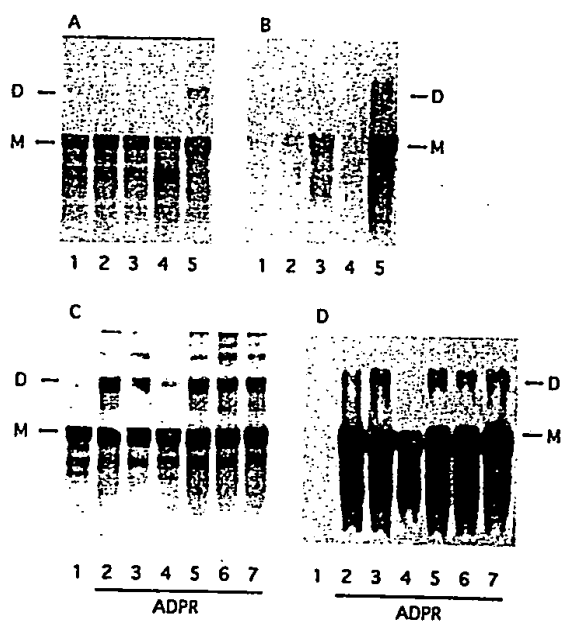


- : no methylglyoxal
- ▲ : methylglyoxal (300 μM)
- : methylglyoxal (600 μM)
- D-P : D-penicillamine

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Figure 19



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